

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: June 18, 2001, 15:31:02 ; Search time 28.21 Seconds
(without alignments)
329.912 Million cell updates/sec

Title: US-09-653-755A-6

Perfect score: 2487

Sequence: 1 EVQIQDSGPELVKPGASVMI.....YLKRTISRSFGKGGHHHHH 462

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 193259 seqs, 20144635 residues

Total number of hits satisfying chosen parameters: 193259

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PCPUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1839.5	74.0	468	2	US-08-116-247-7 Sequence 7, Appl
2	1830.5	73.6	468	2	US-08-303-569B-7 Sequence 7, Appl
3	1594.5	64.1	445	1	US-08-353-400-33 Sequence 3, Appl
4	1594.5	64.1	464	1	US-08-353-400-36 Sequence 36, Appl
5	1548	62.2	454	2	US-07-934-373C-22 Sequence 22, Appl
6	1548	62.2	454	3	US-08-437-642B-22 Sequence 22, Appl
7	1548	62.2	454	5	PCT-US93-07832-22 Sequence 22, Appl
8	1466.5	59.0	449	1	US-08-458-516-13 Sequence 13, Appl
9	1447	58.2	467	4	US-09-049-672A-8 Sequence 8, Appl
10	1439	57.9	467	2	US-07-916-098A-45 Sequence 45, Appl
11	1427.5	57.4	476	2	US-08-378-939-10 Sequence 10, Appl
12	1427	57.4	452	3	US-09-027-449-71 Sequence 71, Appl
13	1427	57.4	452	4	US-09-026-985-71 Sequence 71, Appl
14	1419	57.1	552	2	PCT-US93-07832-23 Sequence 23, Appl
15	1416	56.9	450	2	US-08-788-800-12 Sequence 12, Appl
16	1416	56.9	469	2	US-07-934-373C-23 Sequence 23, Appl
17	1416	56.9	469	3	US-08-437-642B-23 Sequence 23, Appl
18	1411.5	56.8	447	6	5455030-1 Patent No. 5455030
19	1411.5	56.8	599	1	US-08-442-542-18 Sequence 18, Appl
20	1411.5	56.8	599	3	US-08-765-469-18 Sequence 18, Appl
21	1375	55.3	459	1	US-08-157-101A-7 Sequence 7, Appl
22	1371.5	55.1	451	2	US-08-887-352B-14 Sequence 14, Appl
23	1371.5	55.1	451	2	US-08-887-352B-16 Sequence 16, Appl
24	1371.5	55.1	451	3	US-08-466-151-65 Sequence 65, Appl
25	1371.5	55.1	451	4	US-09-109-207C-14 Sequence 14, Appl
26	1371.5	55.1	451	4	US-09-109-207C-16 Sequence 16, Appl
27	1370.5	55.1	451	2	US-08-887-352B-18 Sequence 18, Appl

28	1370.5	55.1	451	4	US-09-109-207C-18 Sequence 18, Appl
29	1370.5	55.1	451	4	US-09-282-505-2 Sequence 2, Appl
30	1370.5	55.1	451	4	US-09-054-255-2 Sequence 2, Appl
31	1368	55.0	446	4	US-08-397-411-7 Sequence 4, Appl
32	1362	54.8	443	4	US-09-049-672A-4 Sequence 4, Appl
33	1351.5	54.3	453	5	PCT-US96-13152-4 Sequence 8, Appl
34	1351.5	54.3	453	3	US-08-466-151-8 Sequence 8, Appl
35	1345.5	54.1	478	4	US-08-487-550-8 Sequence 8, Appl
36	1338	53.8	467	1	US-08-704-744-81 Sequence 81, Appl
37	1336	53.7	445	4	US-08-341-560B-17 Sequence 17, Appl
38	1316.5	52.9	476	4	US-08-487-550-12 Sequence 12, Appl
39	1316	52.9	467	4	US-08-523-894-12 Sequence 10, Appl
40	1309	52.6	467	4	US-08-523-894-10 Sequence 10, Appl
41	1301	52.3	467	4	US-08-523-894-8 Sequence 8, Appl
42	1294	52.0	442	5	PCT-US96-10043-9 Sequence 9, Appl
43	1287	51.7	442	1	US-08-461-968A-5 Sequence 9, Appl
44	1287	51.7	442	2	US-08-462-571-5 Sequence 5, Appl
45	1277.5	51.4	476	4	US-08-487-550-4 Sequence 4, Appl

ALIGNMENTS

RESULT 1

US-08-116-247-7

Sequence 7, Application US/08116247

Patent No. 5929212

GENERAL INFORMATION:

APPLICANT: Jolliffe, Linda K.

APPLICANT: Zivin, Robert A.

APPLICANT: Adair, John R.

APPLICANT: Athwal, Diljeet S.

TITLE OF INVENTION: CD3 Specific Recombinant Antibody

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5929212rits

STREET: One Liberty Place - 46th Floor

CITY: Philadelphia

STATE: PA

COUNTRY: USA

ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/116,247

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/743,377

FILING DATE: 10-OCT-1991

ATTORNEY/AGENT INFORMATION:

NAME: Palatin, Francis A.

REGISTRATION NUMBER: 19,386

REFERENCE/DOCKET NUMBER: CARP-0011

TELECOMMUNICATION INFORMATION:

TELEPHONE: (215) 568-3100

TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 468 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-116-247-7

Query Match 74.0%; Score 1839.5; DB 2; Length 468;
Best Local Similarity 76.3%; Pred. No. 5.5e-138;
Matches 347; Conservative 41; Mismatches 60; Indels 3;

LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-07-934-373C-22

Query Match 62.2%; Score 1548; DB 2; Length 454;
Best Local Similarity 63.8%; Pred. No. 6.5e-115;
Matches 294; Conservative 59; Mismatches 94; Indels 14; Gaps 4;

QY 1 EVOLOOSGPELVKPGASVAMISCTSAVTFTENTVHVWKOSHGESLEWIGINPYGGSIF 60
DB 1 QVLOOOSGPELVKPGASVAMISCTSAVTFTENTVHVWKOSHGESLEWIGINPYGGSIF 60
QY 61 SPFKKATLVKDSSTAVMELRSLTSEDSAVYYCARRAG-----AYFDYWGQGTTL 114
DB 61 NQRFMKATLVKDSSTAVMELRSLTSEDSAVYYCARRAG-----AYFDYWGQGTTL 120
QY 115 TVSSAKTTPPSVYPLAPGCGDTTGSSTVTLGCLVKGYFPESVTVTMNSGSLSSVHTFPAL 174
DB 121 TVSSASTKGSPVPLAPSSKSTSGTALGCLVKDYFPEPVTVSMNSGALTSGVHTFPALV 180
QY 175 IQ-SGLYTSSTVTPSSVTPMPSQTVCSVAHPASSTTVDKLEPSGPISTINPCPPCKEC 233
DB 181 LOSGGLYSSTVTPSSVTPMPSQTVCSVAHPASSTTVDKLEPSGPISTINPCPPCKEC 235
QY 234 HKCPAPNLEGGSPVFLFPNNIKDVLMIISLPKYTCVVDVSEDDPDVQISWFMVNNVEVHT 293
DB 236 --CPAPELLGSPVFLFPNNIKDVLMIISLPKYTCVVDVSEDDPDVQISWFMVNNVEVHT 293
QY 294 AQTQTRREDYNSTIRVYSTLPIDHODMWSGKEFKCKVNNKDLPSPIERTISIKGLVRAV 353
DB 294 AKTRPREEDYNSTIRVYSTLPIDHODMWSGKEFKCKVNNKDLPSPIERTISIKGLVRAV 353
QY 354 QVYTLPPPAEOLSRKQVSLTCLVGVGNPDGDISVEMTNGHTEENYKDTAPVLDSGSYFL 413
DB 354 QVYTLPPPAEOLSRKQVSLTCLVGVGNPDGDISVEMTNGHTEENYKDTAPVLDSGSYFL 413
QY 414 YSKLNKTKSMEKTDSPSCNVRHEGLKNYLLKTTISRSPGK 454
DB 414 YSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKQSLSLSPGK 454

RESULT 6
US-08-437-642B-22
Sequence 22, Application US/08437642B
Patent No. 6054297
GENERAL INFORMATION:
APPLICANT: Paul J. Carter
APPLICANT: Leonard G. Prestla
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Minipat (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437,642B
FILING DATE: 09-May-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206

FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-437-642B-22

Query Match 62.2%; Score 1548; DB 3; Length 454;
Best Local Similarity 63.8%; Pred. No. 6.5e-115;
Matches 294; Conservative 59; Mismatches 94; Indels 14; Gaps 4;

QY 1 EVOLOOSGPELVKPGASVAMISCTSAVTFTENTVHVWKOSHGESLEWIGINPYGGSIF 60
DB 1 QVLOOOSGPELVKPGASVAMISCTSAVTFTENTVHVWKOSHGESLEWIGINPYGGSIF 60
QY 61 SPFKKATLVKDSSTAVMELRSLTSEDSAVYYCARRAG-----AYFDYWGQGTTL 114
DB 61 NQRFMKATLVKDSSTAVMELRSLTSEDSAVYYCARRAG-----AYFDYWGQGTTL 120
QY 115 TVSSAKTTPPSVYPLAPGCGDTTGSSTVTLGCLVKGYFPESVTVTMNSGSLSSVHTFPAL 174
DB 121 TVSSASTKGSPVPLAPSSKSTSGTALGCLVKDYFPEPVTVSMNSGALTSGVHTFPALV 180
QY 175 IQ-SGLYTSSTVTPSSVTPMPSQTVCSVAHPASSTTVDKLEPSGPISTINPCPPCKEC 233
DB 181 LOSGGLYSSTVTPSSVTPMPSQTVCSVAHPASSTTVDKLEPSGPISTINPCPPCKEC 235
QY 234 HKCPAPNLEGGSPVFLFPNNIKDVLMIISLPKYTCVVDVSEDDPDVQISWFMVNNVEVHT 293
DB 236 --CPAPELLGSPVFLFPNNIKDVLMIISLPKYTCVVDVSEDDPDVQISWFMVNNVEVHT 293
QY 294 AQTQTRREDYNSTIRVYSTLPIDHODMWSGKEFKCKVNNKDLPSPIERTISIKGLVRAV 353
DB 294 AKTRPREEDYNSTIRVYSTLPIDHODMWSGKEFKCKVNNKDLPSPIERTISIKGLVRAV 353
QY 354 QVYTLPPPAEOLSRKQVSLTCLVGVGNPDGDISVEMTNGHTEENYKDTAPVLDSGSYFL 413
DB 354 QVYTLPPPAEOLSRKQVSLTCLVGVGNPDGDISVEMTNGHTEENYKDTAPVLDSGSYFL 413
QY 414 YSKLNKTKSMEKTDSPSCNVRHEGLKNYLLKTTISRSPGK 454
DB 414 YSKLTVDKSRMOQGNVFCSCVMHEALHNHYTKQSLSLSPGK 454

RESULT 7
PCT-US93-07832-22
Sequence 22, Application PC/TUS9307832
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

```

? COMPUTER READABLE FORM:
? MEDIUM TYPE: 5.25 inch, 360 floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: patlin (Genentech)
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: PCT/US93/07832
? FILING DATE: 19930820
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 07/715272
? FILING DATE: 14-JUN-1991
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: PCT/US92/05126
? FILING DATE: 15-JUN-1992
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 07/934373
? FILING DATE: 21-AUG-1992
? ATTORNEY/AGENT INFORMATION:
? NAME:
? REGISTRATION NUMBER:
? REFERENCE/DOCKET NUMBER: 709P2PCT
? TELECOMMUNICATION INFORMATION:
? TELEPHONE:
? TELEFAX: 415/952-9881
? TELEX: 910/371-7168
? INFORMATION FOR SEQ ID NO: 22:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 454 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? PCT-US93-07832-22

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DB 354 PPSRDELTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNKTTPPVLDSDGSFFLYSKLT 413
QY 419 MKTSKWEKTDSPSCNVRHEGLKNYLLKKTISRSPG 454
DB 414 VDKSRMOOGNVFSCSVHHEALHNHYTKSLSPG 449

RESULT 9
US-09-049-672A-8
; Sequence 8: Application US/09049672A
; Patent No. 6135941
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Tang, Y. Tom
; APPLICANT: Yue, Henry
; APPLICANT: Au-Young, Janice
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: HUMAN IMMUNE SYSTEM ASSOCIATED PROTEINS
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/049,672A
; FILING DATE: HEREWITH
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cestone, Michael C
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0497 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 467 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: LUNGTUT11
; CLONE: 2747531
; US-09-049-672A-8

Query Match 58.2%; Score 1447; DB 4; Length 467;
Best Local Similarity 59.1%; Pred. No. 6,8e-107;
Matches 269; Conservative 75; Mismatches 103; Indels 8; Gaps 3;

QY 1 EYQLOOSGELYKPGASVWISCTSAITTTENTVHWVKSHGESLWIGINPYGGSTF 60
DB 20 QVOLVQSGAEVKKPGASVQVSCVSGFTLSDLSVHWVROAPGGLMGMGLAPENGEAVY 79
QY 61 SPKFGKATLVYDKSSSTAYMELRSLTSDSAVYCARAGAYYPDYMGOGTTLVYSSAK 120
DB 80 AKKFLGRLLTSDTSADTAYMFLNLNIGSDSAIYYCAROHYDFEDWGOGTWVTVSSAS 139

QY 121 TTPPSVYPLAPGGDGTGSSVTIGCLVKGYFPESVTVTWNGSLSSVHTFPALLO-SGI 179
DB 140 TKGPVFEPLAPSSKSTSGGTAALGCLVKDFEPPEVTVWNSGALTSGVHTFPALVSSGL 199
QY 180 YTMSSVYTPSSSTWPSQYTCVSAHPASSVTYVDKLEPSPITIMPCCPKCHCQAP 239
DB 200 YSLSSVYTPSSSLGTQYTCVSAHPASSVTYVDKLEPSPITIMPCCPKCHCQAP 252
QY 240 NLEGGPSVFIEPPINIDVLMISLTPKVCYVDVSDDDPVQISWPNVNVHTAQTQTH 299
DB 253 ELIGGPSVFIEPPKPDITLMISTPEYTCYVDVSHEDPEVKNNVYDGEVHNATKTR 312
QY 300 REDYNSTIRVSTLPIODWMSGKEFEKCKVNNKDLSPPIERTISKIKGLVAPQYILP 359
DB 313 EEQYNSTYRVSVTLVHODWLNGKEYCKVSNKALPAPLEKTIKAKAGQPREPYTLR 372
QY 360 PPAEQLSRKDVSLTCLVGFNPGDISVEMTSNGHTEENTKOTAPVLDSDGSFTIYSLKM 419
DB 373 PSREEMTKNOVSLTCLVKGFPYSDIAVEMESNGOPENNKTTPPVLDSDGSFFLYSKLT 432
QY 420 KTSKWEKTDSPSCNVRHEGLKNYLLKKTISRSPG 454
DB 433 DKSROOGNVFSCSVHHEALHNHYTKSLSPG 467

RESULT 10
US-07-916-098A-45
; Sequence 45, Application US/07916098A
; Patent No. 3871732
; GENERAL INFORMATION:
; APPLICANT: BURKLY, LINDA C.
; APPLICANT: CHISHOLM, PATRICIA L.
; APPLICANT: THOMAS, DAVID W.
; APPLICANT: ROSA, MARGARET D.
; APPLICANT: ROSA, JOSEPH J.
; TITLE OF INVENTION: ANTI-CD4 ANTIBODY HOMOLOGS USEFUL IN
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ALLEGRETTI & MITCOFF, LTD.
; STREET: 10 SOUTH WACKER DRIVE
; CITY: CHICAGO
; STATE: ILLINOIS
; COUNTRY: U.S.A.
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/916,098A
; FILING DATE: July 24, 1992
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/08843
; FILING DATE: No. 5871732ember 27, 1991
; CLASSIFICATION: 424
; APPLICATION NUMBER: 07/618,542
; FILING DATE: No. 5871732ember 27, 1990
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: JOHN J. MC DONNELL
; REGISTRATION NUMBER: 26,949
; REFERENCE/DOCKET NUMBER: 92,310-G
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 715-1000
; TELEFAX: (312) 715-1234
; TELEX: 910/221-5317
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 467 amino acids


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SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/027,449
FILING DATE: 20-Feb-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074,330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/038,664
FILING DATE: 21-Feb-1997
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-027-449-71
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Query Match          57.4%; Score 1427; DB 3; Length 452;
Best Local Similarity 58.4%; Pred. No. 2.5e-105;
Matches 268; Conservative 75; Mismatches 104; Indels 12; Gaps 4;
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QY 1 EVOLQSGPELVKPGASVAMISCRSAVTTENTVHWKOSHGESLEWIGGINPYGSGIF 60
DB 1 EVOLVOSGGGLVOPGGSLRLSCAASGYSFSSHYMHVWROAPGKGLWVGVIDPSNGETTY 60
QY 61 SPKFKATLVYDKSSSTVYMLRSLTSDSAVYCA----RRAGAYPDYMGOGTTLV 116
DB 61 NQKFRFTLSRDNSKNYAVLOMNSLRADETAVYTCARGDYRNGDWGFEVDWGQGLTVV 120
QY 117 SSAKTPPSVYPLAPGCGDTGSSVTLGCLVKGYPESVTVWNSGSLSSSVHTFPALQ 176
DB 117 SASTKGPVFPFLAPSKSTSGGTALGCLVKGYPPEVTVSMNSGALTSVHTFPALQ 180
QY 121 SSGLYSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
DB 121 SGLYTMSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
QY 177 -SGLYTMSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
DB 177 -SGLYTMSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
QY 181 SSGLYSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
DB 181 SGLYTMSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
QY 236 CPAPNLEGGPSVFIPPNKIDVLMISLTPKVCVAVVDSSEDDPDVOISMFVNNVEVHTAQ 295
DB 236 CPAPNLEGGPSVFIPPNKIDVLMISLTPKVCVAVVDSSEDDPDVOISMFVNNVEVHTAQ 295
QY 234 CPAPNLEGGPSVFIPPNKIDVLMISLTPKVCVAVVDSSEDDPDVOISMFVNNVEVHTAQ 293
DB 234 CPAPNLEGGPSVFIPPNKIDVLMISLTPKVCVAVVDSSEDDPDVOISMFVNNVEVHTAQ 293
QY 296 TQTHREDYNSTRVYSTLPVIOHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAPQV 355
DB 296 TQTHREDYNSTRVYSTLPVIOHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAPQV 355
QY 294 TQTHREDYNSTRVYSTLPVIOHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAPQV 353
DB 294 TQTHREDYNSTRVYSTLPVIOHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAPQV 353
QY 356 YILPPAEOLESKDVSLTCLVGVFNPGDISVEMTNGHTEENYKDTAPVLDSDGSFTIYS 415
DB 356 YILPPAEOLESKDVSLTCLVGVFNPGDISVEMTNGHTEENYKDTAPVLDSDGSFTIYS 415
QY 354 YILPPAEOLESKDVSLTCLVGVFNPGDISVEMTNGHTEENYKDTAPVLDSDGSFTIYS 413
DB 354 YILPPAEOLESKDVSLTCLVGVFNPGDISVEMTNGHTEENYKDTAPVLDSDGSFTIYS 413
QY 416 KLNMTSKWEKTDSPFCNVRHGLKNYLYLAKTISRSPGK 454
DB 416 KLNMTSKWEKTDSPFCNVRHGLKNYLYLAKTISRSPGK 454
QY 414 KLVYDKSRWQOGNVPSCSYMHEDALHNHYTKSLSPGK 452
DB 414 KLVYDKSRWQOGNVPSCSYMHEDALHNHYTKSLSPGK 452
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RESULT 13
US-09-026-985-71
Sequence 71, Application US/09026985
Patent No. 6133426
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leon, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
Humanized Anti-IL-8 Monoclonal Antibodies
```

```
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/026,985
FILING DATE: 20-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-026-985-71
```

```
Query Match          57.4%; Score 1427; DB 4; Length 452;
Best Local Similarity 58.4%; Pred. No. 2.5e-105;
Matches 268; Conservative 75; Mismatches 104; Indels 12; Gaps 4;
```

```
QY 1 EVOLQSGPELVKPGASVAMISCRSAVTTENTVHWKOSHGESLEWIGGINPYGSGIF 60
DB 1 EVOLVOSGGGLVOPGGSLRLSCAASGYSFSSHYMHVWROAPGKGLWVGVIDPSNGETTY 60
QY 61 SPKFKATLVYDKSSSTVYMLRSLTSDSAVYCA----RRAGAYPDYMGOGTTLV 116
DB 61 NQKFRFTLSRDNSKNYAVLOMNSLRADETAVYTCARGDYRNGDWGFEVDWGQGLTVV 120
QY 117 SSAKTPPSVYPLAPGCGDTGSSVTLGCLVKGYPESVTVWNSGSLSSSVHTFPALQ 176
DB 117 SASTKGPVFPFLAPSKSTSGGTALGCLVKGYPPEVTVSMNSGALTSVHTFPALQ 180
QY 121 SSGLYSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
DB 121 SGLYTMSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
QY 177 -SGLYTMSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
DB 177 -SGLYTMSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
QY 181 SSGLYSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
DB 181 SGLYTMSSSVTVVPSSTWSPQVTCVAHPASTTVYDKKLEPSGPISTINPCPCKECHK 235
QY 236 CPAPNLEGGPSVFIPPNKIDVLMISLTPKVCVAVVDSSEDDPDVOISMFVNNVEVHTAQ 295
DB 236 CPAPNLEGGPSVFIPPNKIDVLMISLTPKVCVAVVDSSEDDPDVOISMFVNNVEVHTAQ 295
QY 234 CPAPNLEGGPSVFIPPNKIDVLMISLTPKVCVAVVDSSEDDPDVOISMFVNNVEVHTAQ 293
DB 234 CPAPNLEGGPSVFIPPNKIDVLMISLTPKVCVAVVDSSEDDPDVOISMFVNNVEVHTAQ 293
QY 296 TQTHREDYNSTRVYSTLPVIOHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAPQV 355
DB 296 TQTHREDYNSTRVYSTLPVIOHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAPQV 355
QY 294 TQTHREDYNSTRVYSTLPVIOHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAPQV 353
DB 294 TQTHREDYNSTRVYSTLPVIOHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAPQV 353
QY 356 YILPPAEOLESKDVSLTCLVGVFNPGDISVEMTNGHTEENYKDTAPVLDSDGSFTIYS 415
DB 356 YILPPAEOLESKDVSLTCLVGVFNPGDISVEMTNGHTEENYKDTAPVLDSDGSFTIYS 415
QY 354 YILPPAEOLESKDVSLTCLVGVFNPGDISVEMTNGHTEENYKDTAPVLDSDGSFTIYS 413
DB 354 YILPPAEOLESKDVSLTCLVGVFNPGDISVEMTNGHTEENYKDTAPVLDSDGSFTIYS 413
QY 416 KLNMTSKWEKTDSPFCNVRHGLKNYLYLAKTISRSPGK 454
DB 416 KLNMTSKWEKTDSPFCNVRHGLKNYLYLAKTISRSPGK 454
QY 414 KLVYDKSRWQOGNVPSCSYMHEDALHNHYTKSLSPGK 452
DB 414 KLVYDKSRWQOGNVPSCSYMHEDALHNHYTKSLSPGK 452
```

```
RESULT 14
PCT-US93-07832-23
Sequence 23, Application PC/TUS9307832
GENERAL INFORMATION:
```



```
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patlin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/07832
FILING DATE: 19930820
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 709P2PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE:
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 552 amino acids
TYPE: amino acid
TOPOLOGY: linear
PCT-US93-07832-23
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```
Query Match 57.1%; Score 1419; DB 5; Length 552;
Best Local Similarity 50.1%; Pred. No. 1.4e-104;
Matches 278; Conservative 73; Mismatches 98; Indels 106; Gaps 6;

QY 1 EVOLQSGPELVKPGASVMISCR-----AYFDYWGQGTTLTVSSAKTTP 23
DB 3 QVQLQSGPELVKPGASVKISCKTSGYFTFMGMSCIILFLVATGAVHSEVOLVESGG 62
QY 24 -----TSAYFTENTYHWVWQSHGESLEWIGINPYGSIIFSPKFKGKATL 70
DB 63 LVQPGSLRLSCATISGTFETFTYTHMMHQAPKGLEWVAGINPKNGSIHQRFMDRTTI 122
QY 71 TVDKSSSTAYWELSLTSEDSAVYYCARRAG-----AYFDYWGQGTTLTVSSAKTTP 124
DB 123 SVDKSTAYWQMSLRAEDTAYYYCARWGLNFGFDRYFDVWGQGTTLTVSSASTGP 182
QY 125 SVYLAAGCGGTGSSVYLGCLVKGYPPESTVYVWNSGLSSSVHTFPALLQ-SGLYIMS 183
DB 183 SVFLAPCSRSTSESTALGCLVLDYPEEPTVSMNSGALTSVHTFPAYLVQSGLYSL 242
QY 184 SSVYVPSSTWPSQVTVCSVAHPASTTVDKLTPESGPISTINPCPPC----- 230
DB 243 SVYVTVSSNFGTQYITGVNDHKPNTKDKYVERKCCYT-----CPPCAPELLGSPSYFL 298
QY 231 -----KECHKCPAPNLEGGPSYFIIPPNIKIDVLM 259
DB 299 FPPKPKDTLMSRPEVTVGVVVDYSHEDPEVKECPCPAPPV-AGPSVFLPFPKPKDTL 357
QY 260 ISLTPKTVGVVVDSEDDPDVQISMENVNNEVHTAQTQTHEDYNSTIRVYSTLPIDHQD 319
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DB 358 ISRTPEVTCVYVDVSHDEPEVQFMWYVDGMEVHNAAKTRPREQGNSTRFVSVLTLYHQD 417
QY 320 WMSGEKFKCVNNKQDLPSPIDRTISKIGLVAPQVYLLPPAPQLSKRDVSLACLVYGF 379
DB 418 WLNQEKYCKVSNKGLPAPIEKITSKTGQPREPQVYLLPSPREMTKNQVSLCIVYGF 477
QY 380 NPGDISVEMTNGHTEENYKOTAPVLDSDGSYFIYSKINMKTSKWEKTDSSCANRHEGL 439
DB 478 YPSDIAVESNQGPPENNYKOTPPALDSDGSFFLYSKLTVDKSRWQGVESCVMEHAL 537
QY 440 KNYLTKTISRSPGK 454
DB 538 HNHTQKSLSPGK 552

RESULT 15
US-08-788-800-12
Sequence 12, Application US/08788800
Patent No. 5914112
GENERAL INFORMATION:
APPLICANT: Bednar, Martin M.
APPLICANT: Thomas, G. Roger
APPLICANT: Gross, Cordell E.
TITLE OF INVENTION: ANTI-CD18 ANTIBODIES IN STROKE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: winpatlin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/788,800
FILING DATE: 22-Jan-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0987r1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 450 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-788-800-12

Query Match 56.9%; Score 1416; DB 2; Length 450;
Best Local Similarity 58.1%; Pred. No. 1.8e-104;
Matches 268; Conservative 73; Mismatches 102; Indels 18; Gaps 5;

QY 1 EVOLQSGPELVKPGASVMISCRSAVYFTNTYHWVWQSHGESLEWIGINPYGSGIF 60
DB 1 EVOLVESGGGLVQPGSLRLSCATISGTFETFTYTHMMHQAPKGLEWVAGINPKNGSIH 60
QY 61 SPKFKGKATLVVDSSSTAYWELSLTSEDSAVYYCARRAG-----AYFDYWGQGTTL 114
DB 61 NQRFMDRTIISVDKSTAYWQMSLRAEDTAYYYCARWGLNFGFDRYFDVWGQGTTL 120
QY 115 TVSSAKTTPPVYPLAPCGDGTGSSVYLGCLVKGYPPESTVYVWNSGLSSSVHTFPAL 174
DB 121 TVSSASTGSPSYFLAPCSRSTSESTALGCLVLDYPEEPTVSMNSGALTSVHTFPAY 180
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